

Please amend claim 2 (twice amended) as follows:

2. (Thrice Amended) A piezo-oscillator comprising:

an oscillator circuit including a piezo-vibrator and an amplifier circuit, said piezo-vibrator being connected to an input of said amplifier circuit so that a frequency that is based upon resonance frequency of said piezo-vibrator is outputted from an output of said amplifier circuit,

a second switch circuit connected to a power source line for said amplifier circuit,

a constant-current circuit connected to said second switch circuit, and

a resistor connected to said second switch circuit; wherein

said second switch circuit

connects said power source line and said constant-current circuit when a voltage to be supplied from a power source is equal to or lower than a predetermined value, and

connects said power source line and said resistor when a voltage to be supplied from said power source is higher than said predetermined value.

Please amend claim 3 (twice amended) amended as follows:

3. (Thrice Amended) A piezo-oscillator comprising:

an oscillator circuit including a piezo-vibrator and an amplifier circuit, said piezo-vibrator being connected to an input of said amplifier circuit so that a frequency that is based upon resonance frequency of said piezo-vibrator is outputted from an output of said amplifier circuit,

a constant-voltage circuit connected to a power source, and

a frequency control voltage section connected to said piezo-vibrator, and

a first switch circuit that connects, by selection, either one of said power source and said constant-voltage circuit to said amplifier circuit; wherein

said first switch circuit

selects said constant-voltage circuit when a voltage to be supplied to said frequency control voltage section is equal to or lower than a predetermined value, and

selects said power source when a voltage to be supplied to said frequency control voltage section is higher than said predetermined value.

Please amend claim 4 (twice amended) as follows:

4. (Thrice Amended) A piezo-oscillator comprising:

an oscillator circuit including a piezo-vibrator and an amplifier circuit, said piezo-vibrator being connected to an input of said amplifier circuit so that a frequency that is based upon resonance frequency of said piezo-vibrator is outputted from an output of said amplifier circuit, a frequency control voltage section connected to said piezo-vibrator, a second switch circuit connected to a power source line of said oscillator circuit, a constant-current circuit connected to said second switch circuit, and a resistor connected to said second switch circuit; wherein said second switch circuit

connects said power source line and said constant-current circuit when a voltage to be supplied to said frequency control voltage section is equal to or lower than a predetermined value, and

connects said power source line and said resistor when a voltage to be supplied to said frequency control voltage section is higher than said predetermined value.

Please amend claim 8 (twice amended) as follows:

8. (Thrice Amended) A piezo-oscillator comprising:

an oscillator circuit including a piezo-vibrator and an amplifier circuit, said piezo-vibrator being connected to an input of said amplifier circuit so that a frequency that is based upon resonance frequency of said piezo-vibrator is outputted from an output of said amplifier circuit, a constant-voltage circuit connected to a power source, a first switch circuit or a second switch circuit, said first switch circuit connecting, by selection, either one of said power source and said constant-voltage circuit to said amplifier circuit, and said second switch circuit being connected to a power source line for said oscillator circuit,

a constant-current circuit connected to said second switch circuit, and

a resistor connected to said second switch circuit; wherein

said first switch circuit

selects said constant-voltage circuit when a voltage to be supplied from said power source is equal to or lower than a predetermined value, and